

**Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) An environmental performance improvement support system, comprising:

a material composition database that organizes composition information of materials as a database;

a controlled substance database that organizes control information related to chemical substances as a control target, as a database;

a release rate database that organizes information related to the release rates at each release-transfer destination of said chemical substances as a control target in a certain process as a database; and

a server configured to calculate set: (a) ~~the~~ release amounts to each release-transfer destination of said chemical substances as said control target that compose said materials input in the certain process based on the types and input amounts of the materials ~~that are~~ input in ~~a~~ the certain process, said material composition database, said controlled substance database and said release rate database; and (b) information for improving the environmental performance, according to information on these chemical substances as said control target that are released; ~~-(e)~~

wherein said release rate database stores the information related to said release rates for each equipment that is used in said certain process, said release rates are set based on the release information that prescribes the relationship of the release amounts to each release-transfer destination of the chemical substances as said control target with respect to the input amounts of the materials that are input into said each equipment ~~equipments that are used in~~ said certain process; and (d)

said server configured to calculate, for said each equipment, environmental performance information that evaluates environmental effects due to discharging the release amounts calculated of said chemical substances as said control target ~~in the release amounts that correspond to the input amounts of said materials that are input,~~ and/or investment effectiveness information related to the costs for reducing said chemical substances as said control target that are released.

2. (Previously Presented) The environmental performance improvement support system recited in claim 1, wherein:

said environmental performance information evaluates environmental effects based on at least one impact factor from among impact factors on human health, impact factors on amenities, impact factors on ground subsidence, impact factors on ground water pollution and soil pollution, impact factors on air pollution, impact factors on water quality pollution, impact factors on stress on

waste treatment capacity, impact factors on acid precipitation, impact factors on global warming, impact factors on ozone layer destruction, and impact factors on resource depletion.

3. (Previously presented) The environmental performance improvement support system recited in claim 1, wherein:

said investment effectiveness information is based on at least one item from among the processing performances, equipment costs, and operation costs of equipments that reduce said chemical substances that are released.

4. (Previously presented) The environmental performance improvement support system recited in claim 1, wherein:

the equipments used in said certain process consist of a combination of a plurality of equipments; and

said environmental performance information and/or said investment effectiveness information are based on the combination of said plurality of equipments.

5. (Previously presented) The environmental performance improvement support system recited in claim 1, wherein:

said release information is represented in graph format, table format, or with functional equations, or is represented by a combination of these formats for each equipment that is used in said certain process.

6. (Currently Amended) ~~An~~ The environmental performance improvement support system according to claim 1, ~~comprising:~~

~~—— a material composition database that organizes composition information of materials as a database;~~

~~—— a controlled substance database that organizes control information related to chemical substances as a control target, as a database;~~

~~—— a release rate database that organizes information related to the release rates at each release transfer destination of chemical substances as a database;~~  
and

~~a server configured to set the release amounts to each release transfer destination of chemical substances that compose said materials based on the types and input amounts of the materials that are input in a certain process;~~

wherein:

said system is configured to output information related to an enterpriser that performs said certain process;

at least one information type from among ~~the~~ a handled amount, release amount, release rate, and recycle rate of each chemical substance is related to the release rates of another enterpriser in the same industry; and

said system is configured to output information that compares information related to the release rates of said enterpriser and said another enterpriser in the same industry.

7. (Currently amended) The ~~An~~ environmental performance improvement support system according to claim 1, ~~comprising:~~

~~—— a material composition database that organizes composition information of materials as a database;~~

~~—— a controlled substance database that organizes control information related to chemical substances as a control target, as a database;~~

~~—— a release rate database that organizes information related to the release rates at each release transfer destination of chemical substances as a database;~~

~~and~~

~~—— a server configured to set the release amounts to each release transfer destination of chemical substances that compose said materials based on the types and input amounts of the materials that are input in a certain process;~~

wherein:

said system is configured to output information related to an enterpriser that performs said certain process; and

said system is configured to output time-lapse changes of at least one information type from among ~~the~~ a handled amount, release amount, release

rate, and recycle rate of each chemical substance related to the release rates of said enterpriser.

8. (Currently amended) The ~~An~~ environmental performance improvement support system according to claim 1, comprising:  
~~—— a material composition database that organizes composition information of materials as a database;~~  
~~—— a controlled substance database that organizes control information related to chemical substances as a control target, as a database;~~  
~~—— a release rate database that organizes information related to the release rates at each release transfer destination of chemical substances as a database;~~  
and  
~~—— a server configured to set the release amounts to each release transfer destination of chemical substances that compose said materials based on the types and input amounts of the materials that are input in a certain process; and~~  
wherein said system is configured to output:  
information related to an enterpriser that performs said certain process;  
information of time-lapse changes of at least one from among the a  
handled amount, release amount, release rate, and recycle rate of each chemical substance, of another enterpriser in the same industry; and  
information that compares time-lapse changes of at least one from among  
the handled amount, release amount, release rate, and recycle rate of each

chemical substance between said enterpriser and said other enterpriser in the same industry.

9. (Currently amended) The ~~An~~ environmental performance improvement support system according to claim 1, comprising:

~~—— a material composition database that organizes composition information of materials as a database;~~

~~—— a controlled substance database that organizes control information related to chemical substances as a control target, as a database;~~

~~—— a release rate database that organizes information related to the release rates at each release transfer destination of chemical substances as a database;~~

and

~~—— a server configured to set: (a) the release amounts to each release transfer destination of chemical substances that compose said materials based on the types and input amounts of the materials that are input in a certain process, (b) information for improving the environmental performance, according to information on these chemical substances that are released, (c) wherein information related to said release rates is based on the equipment-specific release rate information that is provided by the enterprisers that manufacture equipments which are used in said certain process; and (d)~~

~~environmental performance information that evaluates environmental effects due to discharging chemical substances in the release amounts that~~

~~correspond to the input amounts of said materials that are input, and/or  
investment effectiveness information related to the costs for reducing said  
chemical substances that are released.~~

10. (Previously presented) The environmental performance improvement support system recited in claim 9, wherein:

said investment effectiveness information is based on at least one item from among the processing performances, equipment costs, and operation costs of equipments that reduce chemical substances, which are provided by the enterprisers that manufacture the equipments which reduce the chemical substances.

11. (Previously presented) The environmental performance improvement support system recited in claim 9 or claim 10, wherein:

the equipment-specific release rate information provided by said enterprisers prescribes the relationship of the release amounts to each release-transfer destination of chemical substances that correspond to the input amounts of the materials that are input into equipments.

12. (Previously presented) An environmental performance improvement support method, wherein:

environmental performance improvement is supported based on a



material composition database that organizes composition information of materials as a database, a controlled substance database that organizes control information related to chemical substances as a control target as a database, and a release rate database that organizes information related to the release rates at each release-transfer destination of chemical substances as a database,

the method comprising the acts of:

process 1, which utilizes a server to identify the chemical substances that compose the materials to be input in a certain process based on said material composition database;

process 2, which utilizes the server to identify the chemical substances that must be managed from among the chemical substances identified in said process 1 based on said controlled substance database;

process 3, which utilizes the server to set the release amounts to the release-transfer destinations of the chemical substances identified in said process 2 based on said release rate database;

process 4, which utilizes the server to evaluate environmental effects due to discharging the chemical substances in the release amounts set in said process 3; and

process 5, which, based on the evaluation results of said process 4, evaluates the equipments that reduce said chemical substances which are released.

13. (Canceled).

14. (Previously presented) The environmental performance improvement support method recited in claim 12, comprising:

process 6, which, based on the evaluation results of said process 5, evaluates environmental effects in the case of equipments that reduce said chemical substances are installed.

15. (Previously presented) The environmental performance improvement support system recited in claim 2, wherein:

the equipments used in said certain process consist of a combination of a plurality of equipments; and

said environmental performance information and/or said investment effectiveness information are based on the combination of said plurality of equipments.

16. (Previously presented) The environmental performance improvement support system recited in claim 3, wherein:

the equipments used in said certain process consist of a combination of a plurality of equipments; and

said environmental performance information and/or said investment effectiveness information are based on the combination of said plurality of equipments.

17. (Previously presented) The environmental performance improvement support system recited in claim 2, wherein:

said release information is represented in graph format, table format, or with functional equations, or is represented by a combination of these formats for each equipment that is used in said certain process.

18. (Previously presented) The environmental performance improvement support system recited in claim 3, wherein:

said release information is represented in graph format, table format, or with functional equations, or is represented by a combination of these formats for each equipment that is used in said certain process.